

# Review of: "Thermodynamics, Infodynamics and Emergence"

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This is an interesting piece of work. It discusses three important issues: emergence, information and energy, all being fundamental properties of nature, and at the same time, crucial aspects of the way human is trying to understand the nature, particularly by mimicking its attributes and features. However something is rather missing: grand picture, focus and road map. Even the abstract is not helping much in this regard: you expect to hear more on 'what is done' rather than 'what is known' in a typical abstract. As the paper goes on, the reader gets almost lost in the paper, as there is no pre-plan for a 'road map'. This doesn't let the paper keep its reader to follow up, without losing the 'focus' here and there. At the end, the 'big picture' is somehow buried under a lot of details--all interesting in their own. I really like to see a revised version with a clear statement of purpose and contribution of the paper. This might be fulfilled via:

1. rewriting the abstract to clearly involve the 'main objective' and the way the paper is going to contribute to this objective,
2. rewriting the introduction to involve a road map and a summary of subsequent sections and what they serve for,
3. one single conclusion instead of a bunch of conclusions,
4. a final clear statement about on how the paper contributed to better understanding of how nature works, how human has understood this, and how--and in which sense--this understanding might be improved or modified.